

Battery Tester/ACR Tester

Economic Battery Tester TB-3561 Series

Product description:

TB-3561 is economic precision battery internal resistance tester is designed for new measurement requirements in the battery industry. It is suitable for low resistance batteries, high capacity lithium battery packs and fast product sorting on the production line. With the technical advantages of Hope Instrument Technology in battery internal resistance testing for many years, the TB-3561 is capable of providing a high resolution of 0.01 mΩ with a maximum test voltage of 20V and a minimum feedback time of 15ms. Equipped with standard features RS232 interface and HANDLER interface, TB-3561 offers the automatic battery measurement function.



TB-3561 / TB-3561A



TB-3561-12/24



TB-3561-12
(Resistance Tester)
(Rear panel)

Features

- High-speed sampling test with a minimum feedback time of 15ms for fast sorting on the production line
- The highest test voltage reaches 20V, which is used for performance test of battery pack
- High resolution resistance and voltage
- Strong anti-interference ability
- Support U disk to export data
- Integrated the multi-channel scanning card inside the instrument and has the advantages of fast scanning speed (for TB-3561; option)
- Standard with RS232/RS485 and I/O interface, especially suitable for supporting automatic equipment to complete automatic test.
- Multi-channel resistance tester can be used for both single-channel test and multi-channel test

Specifications

Model	TR-3561	TR-3561-12	TR-3561-24	TR-3561A
Display	3.5 inch TFT-LCD display			
Number of channel	1 channel	12 channels	24 channels	1 channel
Measurement parameters	AC Resistance, DCV			
Resistance	Accuracy	0.5%		0.3%
	Range	0.01 mΩ ~ 31.000Ω		0.001 mΩ ~ 3.1000 KΩ
Voltage	Accuracy	0.05%		0.02%
	Range	0.001V ~ 20.000V		0.0001V ~ 60.000V
Signal Source	Measurement current frequency : 1kHz, Open circuit voltage : 7V, Test current : <10mA			
Range	Full range automatic or manual test mode			
Test speed	66 times /second, 30 times/second, 10 times/second, 3 times/second			
Correction	Short circuit reset within full range			
Comparator	4-stage sorting and stage counting			
Trigger	Internal trigger (INT), manual trigger (MAN), external trigger (EXT), bus trigger (BUS), automatic trigger (AUT)			
Interface	RS 232, RS 485, I/O, LAN (optional)			RS 232, RS485, LAN, I/O
Power Input	198 ~ 250VAC, 50Hz/60Hz, Rated power 10VA			
Dimension (LxWxD)	325mm x 215mm x 96.5mm			
Weight	3 kg.			

Ordering Informations

- TR-3561** : Single channel, 20Vdc/31Ω Battery Tester
- TR-3561-12** : 12 channels, 20Vdc/31Ω Battery Tester
- TR-3561-24** : 24 channels, 20Vdc/31Ω Battery Tester
- TR-3561A** : Single channel, 60Vdc/3.1kΩ Battery Tester

Standard Accessories:

- User Manual
- Communication cable
- PB36 connector
- Four-terminal Test clip
- Power cable